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~~wherein said data reproduction unit comprises:~~
~~a keyed input unit for selecting a mode according to the function of a keyed~~
~~input;~~
~~a microcomputer for encoding and decoding an input signal according to the~~
~~output of said keyed input unit;~~
~~a filter unit for filtering audio signals output from said microcomputer; and~~
~~a data display for displaying data searched according to the output of said~~
~~microcomputer.~~

(previously cancelled)

~~2. ¹ An audio and video signal recording and reproduction apparatus~~
~~according to claim 1, wherein said data recording unit comprises:~~
~~a data selector for selecting a mode and data according to the control of said~~
~~microcomputer;~~
~~a system control for generating clock and control signals according to~~
~~output of said data selector;~~
~~a data compressor for converting an input analog signal to a digital signal~~
~~and compressing the resulting digital signal according to the control of said~~
~~system control;~~
~~a memory control for generating memory control signals and addresses~~
~~according to the control of said system control;~~
~~a memory for storing compressed data output by said data compressor~~
~~according to the control of said memory control; and~~

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~~an interface unit for performing data input/output operations between said memory and separable storage unit according to the control of said system control.~~

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~~(previously cancelled)
3. An audio and video signal recording and reproduction apparatus according to claim 1, wherein said data reproduction unit additionally comprises:
a video signal Digital/Analog converter for Digital/Analog converting video data output from said microcomputer; and
a display for displaying video data output from said video signal Digital/Analog converter.~~

~~(previously cancelled)
4. An audio and video signal recording and reproduction apparatus according to claim 1, wherein said filter unit comprises:
a first low pass filter for filtering an audio left channel signal output from said microcomputer; and
a second low pass filter for filtering an audio right channel signal output from said microcomputer.~~

~~(previously cancelled)
5. An audio and video signal recording and reproduction apparatus comprising:
a data recording unit for recording audio and video signals;
a data reproduction unit for reproducing audio and video signals; and~~

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~~a separable storage unit for storing data by said data recording unit and
outputting stored data through said data reproduction unit;~~

~~wherein said separable storage unit comprises:~~

~~a memory array for storing data;~~

~~an address generator for generating addresses for specifying regions of said
memory array;~~

~~a data interface unit for performing input/output operations on data stored
in said memory array; and~~

~~a control unit for controlling said address generator and data interface unit.~~

(previously cancelled)

~~6. An audio and video signal recording and reproduction method
comprising the steps of:~~

~~reading a keyed signal when the keyed signal is input;~~

~~processing data when the input key signal is a record signal and storing the
result in a separable storage unit;~~

~~reproducing and outputting data stored in said separable storage unit if the
keyed input is determined as a reproduction signal; and~~

~~reading and displaying a content table of data stored in the separable
storage unit if the keyed input is determined as a search signal;~~

~~wherein said processing step comprises the steps of:~~

~~Analog/Digital converting input data;~~

~~encoding said Analog/Digital converted data; and~~

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~~storing said encoded data in a separable storage unit.~~

~~(previously cancelled)
7. An audio and video signal recording and reproduction method according~~

~~to claim 6, wherein said encoding step comprises the steps of:~~

~~encoding any audio data; and~~

~~encoding any video data.~~

~~(previously cancelled)
8. An audio and video signal recording and reproduction method according~~

~~to claim 7, wherein said step of encoding audio data comprises the steps of:~~

~~subband sampling said audio data;~~

~~quantizing and coding said subband sampled data; and~~

~~packing said coded data.~~

~~(previously cancelled)
9. An audio and video signal recording and reproduction method according~~

~~to claim 7, wherein said step of encoding video data comprises the steps of:~~

~~restructuring the frame of said video data;~~

~~detecting motion components of said restructured data;~~

~~motion estimating the data to form motion estimated data; and~~

~~transforming and coding said motion estimated data into data of specified frequencies.~~

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(previously cancelled)

~~10. An audio and video signal recording and reproduction method according to claim 6, wherein said data reproducing step comprises the steps of:~~
~~memory accessing said stored data in a separable storage unit;~~
~~Digital/Analog converting said decoded data; and~~
~~outputting said Digital/Analog converted data.~~

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(previously cancelled)

~~11. An audio and video signal recording and reproduction method according to claim 10, wherein said decoding step comprises the steps of:~~
~~decoding any audio data stored in a separable storage unit; and~~
~~decoding any video data stored in a separable storage unit.~~

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(previously cancelled)

~~12. An audio and video signal recording and reproduction method according to claim 11, wherein said step of decoding audio data comprises the steps of:~~
~~unpacking any accessed compressed audio data stored in a separable storage unit;~~
~~restructuring said unpacked data to form restructured data; and~~
~~inverse subband sampling said restructured data.~~

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(previously cancelled)

~~13. An audio and video signal recording and reproduction method according to claim 11, wherein said step of decoding video data comprises the steps of:~~

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~~inverse transforming and decoding said accessed compressed video data
stored in a separable storage unit into a time domain data; and
storing and restructuring the frame of said decoded data.~~

Latest claims 50-81 pending in the present application are presented
with underlines as requested:

(previously added)
50. A method for reproducing compressed digital data using a reproducing
device, the method comprising the steps of:

accessing, by the reproducing device, the compressed digital data from a
detachable storage unit, wherein the compressed digital data is transferable from
an external device directly to the detachable storage unit, and the external device
when attached to the detachable storage unit, but detached from the reproducing
device, cannot reproduce data from the detachable storage unit; and
decompressing the accessed compressed digital data.

(previously added)
51. The method of claim 50, wherein said accessing step includes:
generating data select signals indicating which of the compressed
digital data in the detachable storage unit to select;
generating control signals according to the data select signals; and
accessing certain digital data from the detachable storage unit based
on the control signals.

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(previously added)
52. The method of claim 51, wherein, in the generating step, the data
select signals are generated based on user input.

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(previously added)
53. The method of claim 50, wherein, in the accessing step, said
compressed digital data includes at least audio data.

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(previously added)
54. The method of claim 50, wherein, in the accessing step, the detachable
storage unit is a memory device other than a disk medium or a tape medium.

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(previously added)
55. The method of claim 50, wherein, in the accessing step, the
external device is a recording device and transfers the compressed digital
data stored therein to the detachable storage unit as long as the external
device is attached to the reproducing device.

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(previously added)
56. A method for recording an analog signal using a reproducing device,
the method comprising the steps of:

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receiving the analog signal by the reproducing device; and
encoding and compressing the received analog signal into compressed
digital data, and transferring the compressed data from the reproducing device
directly to a detachable storage unit, so that an external device can access the
compressed digital data from the detachable storage unit, wherein the external

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device when attached to the detachable storage unit, but detached from the reproducing device, cannot reproduce data from the detachable storage unit.

(previously added)
57. The method of claim 56, further comprising:

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receiving, by the reproducing device, user input indicating a mode to record an analog signal, wherein the encoding, compressing and transferring steps are performed in response to the use input.

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(previously added)
58. The method of claim 56, wherein, in the transferring step, said

compressed digital data includes at least audio data.

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(previously added)
59. The method of claim 56, wherein, in the transferring step, the

detachable storage unit is a memory device other than a disk medium or a tape medium.

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(previously added)
60. A method for transferring compressed digital data from a recording

device, the method comprising the steps of:

providing the compressed digital data in the recording device; and

transferring the compressed digital data from the recording device directly to a detachable storage unit, so that an external device can access the compressed digital data from the detachable storage unit, wherein the recording device when

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attached to the detachable storage unit, but detached from the external device,
cannot reproduce data from the detachable storage unit.

(Previously added)
61. A method for transferring compressed digital data in a recording and
reproducing system including a recording device and a reproducing device, the
method comprising the steps of:

receiving, by the recording device, a command for indicating a mode of the
reproducing device; and

transferring the compressed digital data from a detachable storage unit
directly to the reproducing device based on the indicated mode, wherein the
recording device when attached to the detachable storage unit, but detached from
the reproducing device, cannot reproduce data from the detachable storage unit.

(Previously Added)
62. The method of claim 61, further comprising:

providing the compressed digital data in the recording device;

receiving, by the recording device, a second command indicating a mode of
the recording device; and

prior to the transferring step, transferring the compressed digital data from
the recording device to the detachable storage unit, so that the reproducing device
can access the compressed digital data from the detachable storage unit.

(Previously Added)
63. The method of claim 61, wherein the transferring step includes:

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generating data select signals indicating which of the compressed digital data in the detachable storage unit to select;

generating control signals according to the data select signals; and

accessing certain digital data from the detachable storage unit based

on the control signals.

(Previously added)

64. The method of claim 63, wherein, in the step of generating the data select signals, the data select signals are generated based on user input.

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(Previously added)

65. The method of claim 61, wherein, in the transferring step, the detachable storage unit is a memory device other than a disk medium or a tape medium.

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(Previously added)

66. The method of claim 61, wherein the transferring step is performed via wire-interface.

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(Previously added)

67. The method of claim 61, wherein the compressed digital data includes at least audio data.

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(Previously added)

68. A reproducing device for reproducing compressed digital data, the reproducing device comprising:

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a microcomputer accessing the compressed digital data from a detachable storage unit, wherein the compressed digital data is transferable from an external device directly to the detachable storage unit, and the external device when attached to the detachable storage unit, but detached from the reproducing device, cannot reproduce data from the detachable storage unit; and

a data processor decompressing the accessed compressed digital data.

(Previously Added)

69. The reproducing device of claim 68, wherein the microcomputer generates data select signals indicating which of the compressed digital data in the detachable storage unit to select, generates control signals according to the data select signals, and accesses certain digital data from the detachable storage unit based on the control signals.

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(Previously Added)

70. The reproducing device of claim 69, wherein the microcomputer generates the data select signals based on user input.

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(Previously Added)

71. The reproducing device of claim 68, wherein the detachable storage unit is a memory device other than a disk medium or a tape medium.

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(Previously Added)

72. A reproducing device for recording an analog signal, the reproducing device comprising:

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a microcomputer receiving the analog signal input to the reproducing device; and

a data processor encoding and compressing the received analog signal into compressed digital data,

wherein the microcomputer transfers the compressed data from the reproducing device directly to a detachable storage unit, so that an external device can access the compressed digital data from the detachable storage unit, and

wherein the external device when attached to the detachable storage unit, but detached from the reproducing device, cannot reproduce data from the detachable storage unit.

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(previously Added)
73. The reproducing device of claim 72, further comprising:

a user input unit receiving user input indicating a mode to record an analog signal, wherein the data processor encodes and compresses the analog signal in response to the use input.

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(previously Added)
74. The reproducing device of claim 72, wherein the detachable storage unit is a memory device other than a disk medium or a tape medium,

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(previously Added)
75. A recording device for transferring compressed digital data, the recording device comprising:

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an internal memory storing the compressed digital data in the recording device;

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a controller controlling the internal memory and an interface unit; and
the interface transferring the compressed digital data from the recording device directly to a detachable storage unit, so that an external device can access the compressed digital data from the detachable storage unit, wherein the recording device when attached to the detachable storage unit, but detached from the external device, cannot reproduce data from the detachable storage unit.

(Previously Added)
76. A system for transferring compressed digital data, the system comprising:

a reproducing device;
a detachable storage unit storing the compressed digital data therein; and
a recording device receiving a command for indicating a mode of reproducing device,

wherein the reproducing device accesses directly the compressed digital data from the detachable storage unit based on the indicated mode, and

wherein the recording device when attached to the detachable storage unit, but detached from the reproducing device, cannot reproduce data from the detachable storage unit.

(Previously Added)
77. The system of claim 76, wherein the recording device includes:

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an internal memory storing the compressed digital data therein;
a controller controlling the internal memory and an interface unit, and
receiving a second command indicating a mode of the recording device; and
the interface unit transferring the compressed digital data from the
recording device to the detachable storage unit, so that the reproducing device can
access the compressed digital data from the detachable storage unit.

(Previously Added)
78. The system of claim 77, wherein the reproducing device includes:

a microcomputer generating data select signals indicating which of the
compressed digital data in the detachable storage unit to select, generating control
signals according to the data select signals, and accessing certain digital data
from the detachable storage unit based on the control signals.

(Previously Added)
79. The system of claim 78, wherein the microcomputer generates
the data select signals based on user input.

(Previously Added)
80. The system of claim 77, wherein the interface unit is a wire-interface.

(Previously Added)
81. The system of claim 76, wherein the detachable storage unit is a
memory device other than a disk medium or a tape medium.